

| Ref # | Hits | Search Query  | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 9    | ("4680201" "4690749" "5240994" "5250613" "5840388" "5858188" "6054034" "6322682" "6326083").<br>pn. | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/09 15:05 |
| L3    | 119  | 204/454.ccls.   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/09 15:24 |
| L4    | 51   | L3 and (dry dried drying)   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/09 16:16 |
| L6    | 49   | L3 and (microfluid\$ microchann\$)  | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/09 16:17 |
| L7    | 16   | L3 and (microfluid\$ microchann\$)<br>and hydrophil\$ and adsor\$                                   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/09 16:20 |
| L8    | 75   | (microfluid\$ microchann\$) and<br>(hydrophil\$ adj3 coat\$) and<br>adsor\$                         | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/09 16:20 |
| S1    | 9    | ("4680201" "4690749" "5240994" "5250613" "5840388" "5858188" "6054034" "6322682" "6326083").<br>pn. | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 17:39 |
| S2    | 0    | derand and larsson and alstine<br>and microfuidic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2004/09/08 08:25 |
| S3    | 1    | derand and larsson and alstine  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2004/09/08 08:27 |
| S4    | 1152 | 204/451-455.ccls. or 204/601-605.<br>ccls.  | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 11:32 |
| S5    | 158  | S4 and ((polymer plastic) adj3<br>(coat\$ layer\$))   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 08:29 |
| S6    | 75   | S5 and (asorb\$ adsorp\$)   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 08:41 |
| S7    | 30   | S6 and (microfluid\$ microchann\$)  | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 08:45 |
| S8    | 118  | 204/454.ccls.   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/09 15:24 |
| S9    | 25   | "van alstine".in.   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 08:55 |
| S10   | 118  | 204/454.ccls.   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 11:30 |
| S11   | 1152 | 204/451-455.ccls. or 204/601-605.<br>ccls.  | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 11:32 |
| S12   | 9    | S11 and polyamine   | US-PGPUB;<br>USPAT                        | OR               | OFF     | 2004/09/08 12:52 |

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|-----|-------|---|-------------------|----|-----|------------------|
| S13 | 2     | polyamine\$ and (microfluid\$ microchann\$)   | EPO; JPO; DERWENT | OR | OFF | 2004/09/08 12:10 |
| S14 | 5574  | polyamine\$   | EPO; JPO          | OR | OFF | 2004/09/08 12:10 |
| S15 | 13    | S14 and (microfluid\$ microchann\$ electrophore\$)  | EPO; JPO          | OR | OFF | 2004/09/08 12:13 |
| S16 | 6664  | polyamine and ((surface\$ capillar\$ channel\$) adj3 (coat\$ layer\$))  | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 12:54 |
| S17 | 1215  | S16 and ((polymer polymeric) adj3 coat\$)   | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 12:55 |
| S18 | 16    | S17 and ((adsorb\$ adsorp\$) adj4 (avoid\$ prevent\$ reduc\$))  | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 15:57 |
| S19 | 43    | S11 and ((polyoxyethylene "ethylene oxide" "polyethylene glycol" PEG PEO) near5 (polyhydroxy dihydroxy Pva "polyvinyl alcohol" dextran cellulose))  | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 15:18 |
| S20 | 1     | S11 and ((polyoxyethylene "ethylene oxide" "polyethylene glycol" PEG PEO) near3 (react\$ (covalent\$ adj (bind bound bond)) polymerize\$ copolymerize\$) near3 (polyhydroxy dihydroxy Pva "polyvinyl alcohol" dextran cellulose)) | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 15:21 |
| S22 | 10248 | "ethylene oxide" same (polyhydroxy dihydroxy Pva "polyvinyl alcohol" dextran cellulose)   | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 16:13 |
| S23 | 56    | S22 and ((adsorb\$ adsorp\$) adj4 (avoid\$ prevent\$ reduc\$))  | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 16:13 |
| S24 | 10585 | ("ethylene oxide" oxirane) same (polyhydroxy dihydroxy Pva "polyvinyl alcohol" dextran cellulose)   | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 16:15 |
| S25 | 60    | S24 and ((adsorb\$ adsorp\$) adj4 (avoid\$ prevent\$ reduc\$))  | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 16:13 |
| S26 | 4     | S25 not S23   | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 16:14 |
| S27 | 25    | ("ethylene oxide" oxirane) adj3 (react\$ copolymeriz\$ polymeriz\$) adj3 (polyhydroxy dihydroxy Pva "polyvinyl alcohol" dextran cellulose)  | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 16:16 |
| S28 | 144   | ("ethylene oxide" oxirane) near3 (react\$ copolymeriz\$ polymeriz\$) near3 (polyhydroxy dihydroxy Pva "polyvinyl alcohol" dextran cellulose)  | US-PGPUB; USPAT   | OR | OFF | 2004/09/08 16:21 |

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| S29 | 143  | S28 not S25   | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 16:21 |
| S30 | 1036 | (polyethylene polypropylene<br>\$norbornene) and (microfluid\$<br>microchann\$) and excitation and<br>emission                    | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 16:44 |
| S31 | 1023 | S30 and fluoresce\$   | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 16:43 |
| S32 | 113  | ((polyethylene polypropylene<br>\$norbornene) same fluoresce\$)<br>and (microfluid\$ microchann\$) and<br>excitation and emission | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 16:48 |
| S33 | 353  | S30 and (fluoresce\$ near4<br>("low-level" insignificant small<br>trivial "non-significant"))                                     | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 16:50 |
| S34 | 215  | S33 and ((substrate plastic plate)<br>adj3 fluoresce\$)   | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 16:51 |
| S35 | 9    | ("4680201" "4690749" "5240994"<br>"5250613" "5840388" "5858188"<br>"6054034" "6322682" "6326083").<br>pn.                         | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 17:39 |
| S36 | 3    | S35 and "ethylene oxide"  | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 17:45 |
| S37 | 29   | (microfluid\$ microchann\$) and<br>("hydrodynamic injection")   | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 17:56 |
| S38 | 7    | S37 and assay\$   | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 17:50 |
| S39 | 387  | (microfluid\$ microchann\$) and<br>("hydrodynamic injection"<br>((vacuum pressure) near3<br>inject\$))                            | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 17:57 |
| S40 | 167  | S39 and assay\$   | US-PGPUB;<br>USPAT | OR | OFF | 2004/09/08 17:57 |